

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A fuel cell system comprising:
a fuel cell;
an exhaust gas passage for allowing an exhaust gas from the fuel cell to flow through; and
a gas-liquid separator provided in the exhaust gas passage; and
an impurity removal member placed in the exhaust gas passage for removing impurities contained in moisture particles mixed in the exhaust ~~gas; gas, wherein the impurity removal member is being~~ gas; gas, wherein the impurity removal member is being capable of exchanging ions; ions, the impurity removal member being placed on the inside wall surface of the gas-liquid separator, and the impurity removal member being configured so that it increases a flow resistance the closer it is to a gas outlet of the gas-liquid separator.
2. (Original) The fuel cell system according to claim 1, wherein the impurity removal member is provided in the exhaust gas passage of a hydrogen circulation system.
3. (Canceled)
4. (Currently Amended) ~~The fuel cell system according to claim 1, wherein A~~ fuel cell system comprising:
a fuel cell;
an exhaust gas passage for allowing an exhaust gas from the fuel cell to flow through;
a gas-liquid separator provided in the exhaust gas passage;
an impurity removal member placed in the exhaust gas passage for removing impurities contained in moisture particles mixed in the exhaust gas, the impurity removal

~~member is capable of exchanging ions, a gas-liquid separator is provided in the exhaust gas passage, and the impurity removal member is being placed in such a manner that a space is formed between the inside wall surface of the gas-liquid separator and the outside surface of the impurity removal member.~~ member; and

a space that is open and extends from the lower part of the gas-liquid separator to its top and connected to a circulation passage, the space being formed in the approximate central part of the impurity removal member.

5. (Canceled)

6. (Previously Presented) The fuel cell system according to claim 1, wherein a gas-liquid separator is provided in the exhaust gas passage, and the impurity removal member is located downstream from the gas-liquid separator.

7. (Previously Presented) The fuel cell system according to claim 1, wherein the impurity removal member is treated to make it water-repellent.

8. (Original) The fuel cell system according to claim 7, wherein a water-repellent member is placed on the outside surface of the impurity removal member.

9. (Original) The fuel cell system according to claim 7, wherein the impurity removal member is put in a container made of a water-repellent member.

10. (Currently Amended) ~~The fuel cell system according to claim 1,~~ A fuel cell system comprising:

a fuel cell;

an exhaust gas passage for allowing an exhaust gas from the fuel cell to flow through;

an impurity removal member placed in the exhaust gas passage for removing impurities contained in moisture particles mixed in the exhaust gas, the impurity removal member is capable of exchanging ions; and

_____ wherein an accommodating member capable of changing its shape in response to changes in the volume of the impurity removal member is provided.

11. (Original) The fuel cell system according to claim 10, wherein the accommodating members are distributed in the impurity removal member.

12. (Previously Presented) The fuel cell system according to claim 10, wherein the accommodating member is placed around the outside surface of the impurity removal member.

13. (Previously Presented) The fuel cell system according to claim 10, wherein the accommodating member is made of a porous material.

14. (Original) The fuel cell system according to claim 10 wherein the impurity removal member is provided inside the gas-liquid separator, and the accommodating member includes an elastic member and is located at a position outside the gas-liquid flow path of the gas-liquid separator.

15. (Previously Presented) The fuel cell system according to claim 1, wherein the impurity removal member contains an ion exchange resin.

16. (Canceled)

17. (Currently Amended) The fuel cell system according to ~~claim 3~~, claim 1, wherein the gas-liquid separator separates a gas-liquid mixture fluid into a gas and a liquid by swirling the gas-liquid mixture fluid.

18. (Previously Presented) The fuel cell system according to claim 15, wherein the ion exchange resin is put in a resin case with openings.